

客戶名稱 : **LG 14Z90Q**  
CUSTOMER

Document No.: \_\_\_\_\_  
Approval Sheet Rev.:   A0    
Spec. Rev. :   A0  

|                       |
|-----------------------|
| <b>承 認 書</b>          |
| <b>APPROVAL SHEET</b> |

產品品名/Product Model No. : **WA-P-LELE-04-008**

客戶料號/Customer No. : **EAA65976301**

發行日期/ Issue Date : **2021/08/30**

承認日期/ Approved Date : \_\_\_\_\_

**Approved by customer: (signing or stamping here)**



- 蘇州市相城區黃埭鎮潘陽工業園區中心大道5號       350 苗栗縣竹南鎮公義里11鄰科義街11號  
電話：037-585-555  
傳真：037-585-511

No.5,zhongxin Road, PanYang industrial  
Park,HuangDai town,XiangCheng  
district ,Suzhou City

No. 11, Ke-Yi St., Chunan, Miaoli 350,  
Taiwan, R.O.C.  
Tel. : +886-37-585-555  
Fax : +886-37-585-511

2. The quiet room region is 40cmx40cmx40cm at the center of rotator
3. The distance between DUT and standard antenna is 4.38 m
4. Probing antenna (9120D horn antenna) and standard gain horn antenna (BBHA9120 LPF 700MHz ~6GHz)

### 4-5.3 Efficiency and Gain

Antenna gain is marked (dBi) and is based on STANDARD HORN antenna. The data shows Peak Gain and Average Gain.

#### 4-5-3-1 Electrical specification

| Frequency (MHz) | Average Efficiency (%) |
|-----------------|------------------------|
| 2400~2500       | >30                    |
| 5100~5825       | >30                    |

#### 4-5.3-2 Efficiency and Gain Test Data

| Frequency(MHz) | Main Antenna-1  |                  |               |
|----------------|-----------------|------------------|---------------|
|                | Peak Gain (dBi) | Efficiency (dBi) | Efficiency(%) |
| 2400           | 2.6             | -4.9             | 32.6          |
| 2450           | 2.7             | -4.4             | 35.9          |
| 2500           | 3.4             | -4.1             | 38.9          |
| 5150           | 5.6             | -4.5             | 35.7          |
| 5400           | 5.7             | -4.0             | 40.2          |
| 5850           | 5.8             | -3.4             | 45.7          |
| 5925           | 5.6             | -4.5             | 35.7          |
| 6525           | 5.2             | -3.6             | 43.8          |
| 7125           | 5.1             | -4.6             | 34.7          |

| Frequency(MHz) | AUX Antenna-1   |                  |               |
|----------------|-----------------|------------------|---------------|
|                | Peak Gain (dBi) | Efficiency (dBi) | Efficiency(%) |
| 2400           | 2.7             | -4.6             | 34.7          |
| 2450           | 2.2             | -4.6             | 34.5          |
| 2500           | 1.6             | -4.9             | 32.1          |
| 5150           | 5.3             | -3.8             | 41.3          |
| 5400           | 5.4             | -4.0             | 39.6          |
| 5850           | 5.2             | -4.1             | 39.2          |
| 5925           | 4.6             | -4.6             | 35.0          |
| 6525           | 5.0             | -4.3             | 36.9          |
| 7125           | 4.6             | -4.6             | 34.8          |

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=±                  X.X=±          X.XX=±  
 ANGLES=±                  HOLEDIA=±



佳邦科技股份有限公司  
 INPAQ TECHNOLOGY CO., LTD.

SCALE :                                  UNIT : mm

DRAWN BY: 张涛                                  CHECKED BY: 张涛

DESIGNED BY: 胡志清                                  APPROVED BY: 徐克文

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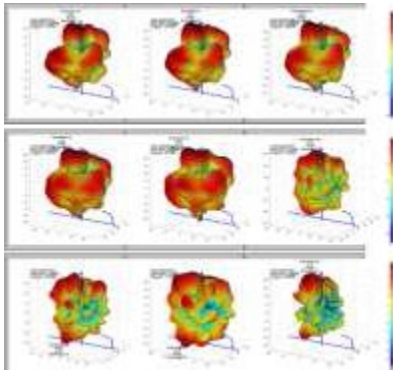
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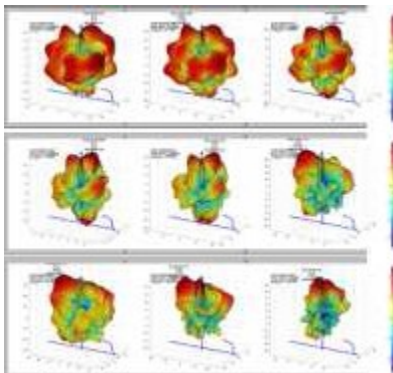
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### 4-5.3-3 Antenna 3D Radiation Pattern

Main Antenna-1



AUX Antenna-1



|  |                   |   |                 |
|--|-------------------|---|-----------------|
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| DRAWN BY: 张涛                           | CHECKED BY: 张涛    |   |                 |
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